

OCT. 21. 2005 11:40AM

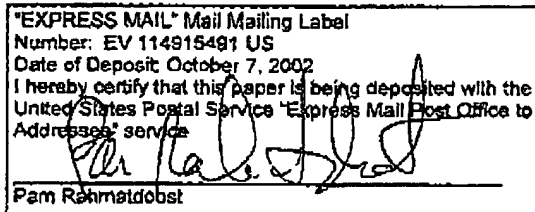
SCHLUMBERGER

NO. 237 P. 5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)		
)	Attorney Docket No.:	24.0787
Serial No.: 09/033,965)	Group Art Unit:	2862
Filed: March 3, 1998)	Examiner:	L. Arana
Title: Method and Apparatus for a 1 to N))		
Signal)		

Ed Lefkowitz, Director
Technology Center – Group 2862
US Patent and Trademark Office
2201 South Clark Place
Arlington VA 22202



Dear Sir:

Petition Under 37 CFR 1.181(a) Requesting Withdrawal of the Holding of Abandonment

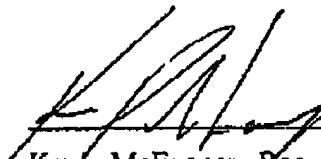
1. Applicant respectfully requests that the abandonment in this case be withdrawn.
2. This information is being submitted promptly after Applicant has learned of the abandonment on the basis of the Notice of Abandonment mailed by the PTO on August 6, 2002.
3. Submitted herewith is:
 - a. A copy of the Notice of Allowance for claims 43-45 mailed July 16, 2001.
 - b. A copy of Applicants' Issue Fee Transmittal mailed August 24, 2001.
 - c. A copy of the post card identifying the papers filed and showing the U.S. PTO receipt stamp dated August 27, 2001.

4. Attached hereto is a statement attesting to the timely submission of the correspondence referred to above based on a showing believed to be satisfactory to the Commissioner.
5. Please proceed with further examination of the this application on the basis of the attached copies of the papers originally filed.
6. Acknowledgement of the active status of this application is respectfully requested.

The Assistant Commissioner for Patents is requested to grant a petition for the extension of time which is required to make this response timely and is hereby authorized to charge any fee for such petition and extension of time or credit any overpayment for such petition and extension of time to deposit Account No.19-0610.

Respectfully submitted,

Date: Oct. 7, 2002



Kevin McEnaney, Reg. No. 46, 258
Schlumberger Technology Corporation
200 Gillingham Lane
Sugar Land, TX 77478

Telephone: 281-285-7325
Facsimile: 281-285-4232

OCT. 21. 2005 11:40AM

SCHLUMBERGER



NO. 237 P. 7

**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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EXAMINER

ART UNIT	PAPER NUMBER
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DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

EX A

SCHLUMBERGER
IPL&C

PR 7/26/01

Docketed:

8/16/01 TC Examiner
10/16/01 Issue Fee Due - Review First.


UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
NOTICE OF ALLOWANCE AND ISSUE FEE DUE

THIS NOTICE OF ALLOWANCE AND ISSUE FEE DUE is being mailed to you by first class mail, return receipt requested, and by electronic means to the email address on file with the Patent and Trademark Office.

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/15/00	09/15/00	1	237	10/12/05
First Named Applicant	Schlumberger			

TITLE OF INVENTION: **Method for determining the location of a wellbore**

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
100000	01/01	1	1	NO	\$1,200.00	10/12/05

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.
If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number.
Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

YOUR COPY

Notice of Allowability

Application No.

09/033,965

Examiner

Louis M. Arana

Applicant(s)

LUONG ET AL

Art Unit

2862

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to your OPA request and preliminary amendment of April 24, 2001.
2. ☒ The allowed claim(s) is/are 43-45.
3. ☒ The drawings filed on 7/10/2000 are acceptable as formal drawings.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE FOR SUBMITTING NEW FORMAL DRAWINGS, OR A SUBSTITUTE OATH OR DECLARATION.** This three-month period for complying with the REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL is extendable under 37 CFR 1.136(a).

6. ☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
7. ☐ Applicant MUST submit NEW FORMAL DRAWINGS
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review(PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

8. ☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL

Any reply to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE / SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

- | | |
|--|---|
| 1 <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____ | 6 <input type="checkbox"/> Examiner's Amendment/Comment |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

Application/Control Number: 09/033,965
Art Unit: 2862

Page 2

DETAILED ACTION***Continued Prosecution Application***

1. The request filed on April 24, 2001 for a Continued Prosecution Application (CPA) under 37 CFR 1.53(d) based on parent Application No. 09/033,965 is acceptable and a CPA has been established. An action on the CPA follows.
2. Claims 13-42 have been cancelled and new claims 43-45 have been submitted and are pending in this application after entry of the preliminary amendment of April 24, 2001. The examiner wishes to make of record, that cancelled claims 13-19, 21, 24-25, 27-31 and 35-41 were allowed in the parent application and that these claims are now the subject of application 09/864,437 filed on 5/24/2001.

Allowable Subject Matter

3. Claims 43-45 are allowed.
4. The following is an examiner's statement of reasons for allowance: The prior art considered does not disclose or fairly suggest a magnet as claimed' that produces a plurality of axisymmetric magnetic fields with three axially magnetized magnets, where two of the magnets produce in a addition a high gradient.

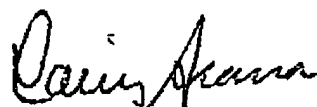
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 09/033,965
Art Unit: 2862

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Louis M. Arana whose telephone number is (703) 305-4913. The examiner can normally be reached on M-F (8:30-6:00) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christine Oda can be reached on (703) 305-4908. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.



Louis M. Arana
Examiner
Art Unit 2862

lma
July 12, 2001

Notice of References Cited

Application/Control No.

09/033,965

Applicant(s)/Patent Under
Reexamination
LUONG ET AL.

Examiner

Louis M. Arana

Art Unit

2862

Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number		Date MM-YYYY	Name	Classification	
		Country Code	Number-Kind Code				
	A	US-	6,246,236-B1	06-2001	Poitzsch et al.	324	303
	B	US-	5,432,446-B1	07-1995	MacInnis et al.	324	303
	C	US-	-				
	D	US-	-				
	E	US-	-				
	F	US-	-				
	G	US-	-				
	H	US-	-				
	I	US-	-				
	J	US-	-				
	K	US-	-				
	L	US-	-				
	M	US-	-				

FOREIGN PATENT DOCUMENTS

*		Document Number		Date MM-YYYY	Country	Name	Classification	
		Country Code	Number-Kind Code					
	N	-	-					
	O	-	-					
	P	-	-					
	Q	-	-					
	R	-	-					
	S	-	-					
	T	-	-					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)					
	U						
	V						
	W						
	X						

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
 Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

U.S. Patent and Trademark Office
 PTO-892 (Rev. 01-2001)

Notice of References Cited

Part of Paper No. 13



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
 ASSISTANT SECRETARY AND COMMISSIONER
 OF PATENTS AND TRADEMARKS
 Washington, D C 20231

Dear United States Patent and Trademark Office Customer:

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Technology Center 2800 has taken continuous quality improvement steps and efforts to ensure that the accompanying correspondence meets high quality standards, and focuses on good customer service. It is important to us that you are satisfied with the services we provide.

If the contents of the attached correspondence have any clerical omissions, e.g., missing references or pages, illegible text, or any other clerical errors, please contact us at the number below as soon as possible. We will take appropriate action to expedite the necessary corrections. Also, if you have general questions concerning any application assigned to Technology Center 2800, including status inquiries, please contact our Customer Service Center. Of course, questions concerning the merits of the application must be directed to the Examiner in charge of the particular application, then to the supervisor if appropriate.

TC 2800 Customer Service Center
Crystal Plaza 4-6th floor, D-corridor

Customer Service Representative are:

Linda M. Hodge-Taylor	CP-4-6-D32
Wyette Stapor	CP-4-6-D30
Theodore Phillips	CP-4-6-D30

We are open to receive request for service in person, by phone 703/306-3329, or Fax 703/306-5515, from 8:30 am-5:00 p.m. each business day.

If the communication you have received has any technical or legal issues that raise concerns as to the quality and/or clarity of the Office action itself, we invite you to contact the appropriate Supervisory Primary Examiner or one of our Quality Assurance Specialists.

Quality Assurance Specialists:
Paul Dzierzynski 703/308-4822
Don Hajet 703/308-4075
Attention: Policy on Returning Telephone Calls

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Any matter not satisfactorily resolved by the listed resources should be brought to the attention of the appropriate Director listed below.

We appreciate your assistance in helping us help you.

Directors, Technology Center 2800
Semi-conductors, Electrical, Optical Systems & Components

<i>Rolf G. Mills</i>	703/306-3431	2810/2820
<i>Seamus J. Levy</i>	703/308-0658	2830/2840
<i>Harvard H. Goldberg</i>	703/306-3431	2850/2860
<i>Janice A. Falcone</i>	703/308-0530	2870/2880

OCT. 21. 2005 11:42AM

SCHLUMBERGER—ISSUE FEE TRANSMITTAL

NO. 237 P. 14

mail this form, together with applicable fees, to:

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Assistant Commissioner for Patents
Washington, D.C. 20231.

MAILING INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE. Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Issue Fee Receipt, the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

MMN1/0716
SCHLUMBERGER TECHNOLOGY CORPORATION
ATTN: PATENT COUNSEL
P.O. BOX 2175
HOUSTON TX 77252-2175

Note: The certificate of mailing below can only be used for domestic mailings of the Issue Fee Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing.

Certificate of Mailing

I hereby certify that this Issue Fee Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above on the date indicated below.

Pan Rahmatdoost

(Depositor's name)

(Signature)

08/24/01

(Date)

APPLICATION NO	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/03/96	03/04/98	000	AKANA, L	2862 07/16/01
First Named Applicant	LUONG, 35 USC 154(b) term ext. = 0 Days.			

TITLE OF INVENTION: METHOD AND APPARATUS FOR A 1 OF N SIGNAL.

ATTYS DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2 24.787	004-303.000	011	UTILITY	NO	\$1240.00	10/16/01

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363) Use of PTO form(s) and Customer Number are recommended, but not required.

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" indication form PTO/SB/47) attached.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. John J. Ryberg

2. Brigitte L. Jeffery

3. _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)
PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the PTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE SCHLUMBERGER TECHNOLOGY CORPORATION

(B) RESIDENCE: (CITY & STATE OR COUNTRY) HOUSTON TX

Please check the appropriate assignee category indicated below (will not be printed on the patent)

☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fees are enclosed (make check payable to Commissioner of Patents and Trademarks):

Issue Fee

Advance Order - # of Copies _____

4b. The following fees or delinquency in these fees should be charged to:
DEPOSIT ACCOUNT NUMBER 19-0610
(ENCLOSE AN EXTRA COPY OF THIS FORM)

☒ Issue Fee☒ Advance Order - # of Copies 7

The COMMISSIONER OF PATENTS AND TRADEMARKS IS requested to apply the Issue Fee to the application identified above.

(Authorized Signature)

Brigitte L. Jeffery

(Date)

08/24/01

NOTE: The Issue Fee will not be accepted from anyone other than the Applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the Patent and Trademark Office.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending on the needs of the individual case. Any comments on the amount of time required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND FEES AND THIS FORM TO: Box Issue Fee, Assistant Commissioner for Patents, Washington D.C. 20231

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EX B

TRANSMIT THIS FORM WITH FEE

PAGE 14/15 * RCVD AT 10/21/2005 12:38:59 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/24 * DNIS:2738300 * CSID:2812858821 * DURATION (mm:ss):04:24

STATEMENT OF COMMISSIONER

Date: August 24, 2001
Attorney Docket No. 24.0787

On the date stamped hereon, the following was received in the United States Patent Office:

Serial No. 09/033,965
Inventors: Luong et al.
Title: Method and Apparatus for a 1 of N Signal

- 1) *Issue Fee Transmittal & duplicate (2 pp.)*
- 2) *Authorization to charge Deposit Account*

EX C

Date: August 24, 2001
Attorney Docket No. 24.0787

On the date stamped hereon, the following was received in the United States Patent Office:

Serial No. 09/033,965
Inventors: Luong et al.
Title: Method and Apparatus for a 1 of N Signal

- 1) *Issue Fee Transmittal & duplicate (2 pp.)*
- 2) *Authorization to charge Deposit Account*



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